

Appendix table 5-24

SEH doctorate holders employed in academia with federal support, by degree field, years since doctorate, and type of position: 1973–2008

(Percent)

Field	1–3 years since doctorate				4–7 years since doctorate			
	All positions	Full-time faculty	Other full-time	Postdocs	All positions	Full-time faculty	Other full-time	Postdocs
All fields								
1973	44.1	32.9	72.5	87.1	47.1	42.3	55.3	80.8
1975	44.2	31.1	58.3	87.8	42.5	40.0	66.2	83.2
1977	44.5	28.8	61.2	87.0	42.2	37.8	71.6	85.3
1979	47.2	29.6	58.9	86.6	43.0	37.4	67.3	83.1
1981	51.0	30.8	63.1	87.9	46.5	41.2	64.8	86.9
1983	50.2	33.7	59.0	86.1	50.1	45.3	68.1	84.8
1985	43.2	23.9	59.3	79.1	42.4	36.2	63.3	81.0
1987	53.3	36.7	56.1	82.0	54.8	49.7	71.6	84.2
1989	57.2	38.7	58.7	84.7	57.8	53.5	70.0	89.1
1991	53.6	38.3	56.6	83.8	57.4	53.4	66.6	88.7
1993	43.5	20.8	43.7	80.7	41.1	34.0	46.8	87.3
1995	47.0	23.2	40.1	78.5	43.9	36.1	52.0	86.0
1997	45.3	21.0	42.4	74.1	41.9	33.7	49.6	78.5
1999	52.8	28.8	45.5	79.5	47.4	41.4	46.6	83.3
2001	48.4	29.4	45.5	73.4	46.1	39.8	50.7	78.6
2003	48.4	30.5	45.9	77.3	47.5	42.3	55.3	81.1
2006	51.7	29.5	50.7	68.7	47.2	41.7	46.5	76.0
2008	46.5	27.4	49.0	71.0	43.5	38.4	44.8	76.6
Physical sciences								
1973	58.4	31.2	78.3	88.5	44.8	39.5	72.1	98.5
1975	64.1	27.9	60.7	93.2	43.8	36.6	77.3	85.1
1977	63.2	28.9	95.7	88.5	51.6	40.5	77.5	92.4
1979	59.1	25.5	73.7	84.7	52.0	39.0	72.1	91.7
1981	69.3	25.2	94.3	88.1	57.9	49.4	84.5	97.9
1983	70.4	33.8	82.7	88.2	66.2	56.3	85.3	84.8
1985	64.3	18.7	86.6	84.6	50.8	35.7	78.7	91.4
1987	80.9	66.7	69.9	90.2	68.7	56.0	97.1	93.1
1989	77.9	49.2	82.1	88.0	72.4	61.9	89.0	90.6
1991	69.9	44.1	78.8	87.2	67.2	55.1	88.5	100.0
1993	63.1	21.3	64.9	84.5	58.2	43.9	70.0	94.5
1995	62.8	21.0	41.9	84.1	53.9	37.8	60.2	86.7
1997	64.2	30.0	71.4	77.7	53.4	41.2	67.9	96.5
1999	68.0	39.3	69.9	80.5	57.0	46.7	65.5	89.4
2001	62.2	31.0	55.4	80.9	54.1	39.4	73.9	83.7
2003	62.3	40.1	59.7	79.9	54.8	50.6	63.1	70.2
2006	67.5	29.3	66.6	76.8	57.6	52.8	64.2	72.2
2008	55.5	40.6	62.4	65.0	53.6	48.5	58.4	77.3
Mathematics								
1973	17.5	16.3	58.5	38.7	29.0	29.4	15.4	100.0
1975	14.5	13.0	37.6	28.3	18.9	18.5	31.8	57.9
1977	16.2	12.2	45.9	56.4	19.2	17.6	44.0	52.2
1979	24.8	22.5	52.9	42.5	32.3	30.2	64.9	46.9
1981	10.8	9.5	S	44.1	29.7	27.6	62.7	81.5
1983	31.8	29.8	S	73.4	39.8	39.8	51.3	100.0
1985	14.7	14.1	S	34.6	27.0	26.8	S	100.0
1987	15.6	7.4	S	37.6	34.9	35.5	7.3	S
1989	29.1	24.9	S	52.4	39.0	39.1	S	100.0
1991	39.8	35.8	54.9	80.4	28.3	28.6	S	S
1993	15.7	14.8	0.0	100.0	15.2	14.0	100.0	S
1995	17.7	13.4	0.0	40.0	25.6	19.6	S	70.6
1997	14.9	3.5	29.1	32.9	16.7	14.9	S	42.2
1999	36.4	24.0	S	58.7	32.2	33.5	S	47.2
2001	34.6	21.6	34.6	56.3	42.2	38.6	62.4	100.0
2003	34.1	24.1	18.5	67.8	34.8	37.1	S	54.4
2006	37.0	19.1	S	58.1	32.0	29.7	24.8	79.3
2008	27.7	17.8	24.9	54.1	29.6	29.9	57.0	46.1

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(Percent)

Field	1–3 years since doctorate				4–7 years since doctorate			
	All positions	Full-time faculty	Other full-time	Postdocs	All positions	Full-time faculty	Other full-time	Postdocs
Computer sciences								
1973	NA	NA	NA	NA	NA	NA	NA	NA
1975	NA	NA	NA	NA	NA	NA	NA	NA
1977	NA	NA	NA	NA	NA	NA	NA	NA
1979	34.8	25.0	S	57.1	S	S	S	S
1981	27.7	24.1	25.0	100.0	52.4	52.4	S	S
1983	45.7	35.1	60.0	100.0	43.5	40.4	92.3	S
1985	54.1	46.4	77.2	S	36.7	31.0	100.0	S
1987	47.2	46.3	42.0	100.0	73.2	66.3	100.0	S
1989	33.0	29.3	50.0	100.0	70.8	78.0	35.7	100.0
1991	23.1	23.1	25.1	S	66.2	63.9	100.0	100.0
1993	44.7	39.5	100.0	100.0	30.7	30.9	27.3	100.0
1995	38.2	31.4	61.1	75.9	38.1	38.3	23.9	S
1997	40.5	29.7	74.3	97.0	40.4	37.7	75.6	S
1999	59.7	50.6	77.5	100.0	56.6	56.5	85.9	S
2001	31.4	25.9	44.2	100.0	49.2	47.3	53.2	S
2003	41.7	32.6	22.2	95.8	43.6	40.8	59.5	S
2006	35.5	10.5	55.6	100.0	44.8	42.4	66.8	S
2008	36.6	30.0	69.9	48.3	45.8	47.0	43.6	S
Life sciences								
1973	60.8	48.3	77.0	89.0	59.7	57.3	75.1	89.2
1975	61.8	46.4	72.5	87.6	60.1	57.6	76.2	87.5
1977	61.6	38.1	70.4	88.9	59.6	56.6	73.3	90.2
1979	65.9	40.6	75.8	85.9	57.3	51.4	76.5	84.2
1981	71.8	51.7	76.5	88.1	64.0	58.8	70.8	85.7
1983	68.2	52.8	65.1	84.7	67.1	64.5	72.6	83.7
1985	59.6	34.1	67.2	78.9	61.1	55.6	72.3	81.7
1987	70.2	53.5	73.8	82.1	71.4	68.3	81.0	83.0
1989	74.5	50.2	79.3	89.1	71.9	67.5	79.1	89.3
1991	68.1	49.9	60.0	83.0	70.6	66.8	79.2	86.3
1993	61.2	32.2	44.8	81.9	55.7	46.4	52.0	86.7
1995	58.5	30.3	35.3	80.3	54.0	43.9	47.4	87.4
1997	58.3	23.0	42.2	77.5	52.3	42.4	48.4	78.8
1999	65.0	35.0	46.2	82.4	57.2	47.2	49.3	83.0
2001	59.2	34.2	39.0	76.8	56.4	48.9	49.5	78.8
2003	62.5	37.1	51.7	81.8	57.3	50.3	56.9	83.0
2006	56.6	33.5	57.7	67.1	57.5	49.7	49.6	77.0
2008	59.9	36.1	55.4	75.5	54.5	44.8	56.8	83.7
Psychology								
1973	34.3	28.5	59.7	95.3	37.8	36.9	52.1	71.4
1975	35.0	25.5	53.7	88.5	35.3	34.9	32.8	71.2
1977	35.3	26.8	71.7	86.0	31.5	27.9	60.5	73.0
1979	35.2	22.5	22.2	95.5	39.3	31.4	76.5	87.6
1981	46.5	33.2	41.6	93.4	34.7	28.6	54.5	88.2
1983	31.2	19.8	34.2	89.3	32.3	28.2	37.1	87.2
1985	30.6	15.6	44.5	70.1	29.2	26.2	38.7	72.5
1987	37.5	28.5	28.8	82.7	33.2	25.6	40.3	97.9
1989	41.7	34.6	36.1	64.9	36.1	36.7	33.1	63.1
1991	35.9	23.9	24.3	100.0	38.8	38.6	24.8	86.9
1993	21.6	12.0	27.5	61.6	23.2	24.6	15.5	48.2
1995	33.5	17.5	40.6	63.5	26.1	21.8	36.0	82.1
1997	34.5	24.2	19.0	70.9	29.5	22.3	36.4	77.3
1999	33.4	22.4	29.9	63.6	35.6	34.7	23.8	100.0
2001	35.5	20.0	41.7	64.1	34.9	32.6	42.7	45.6
2003	31.8	28.4	33.0	57.8	37.5	32.4	46.9	100.0
2006	52.1	42.7	35.9	70.7	35.9	37.1	23.8	88.6
2008	35.7	26.7	29.9	67.6	26.8	28.1	18.7	39.7

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(Percent)

Field	1–3 years since doctorate				4–7 years since doctorate			
	All positions	Full-time faculty	Other full-time	Postdocs	All positions	Full-time faculty	Other full-time	Postdocs
Social sciences								
1973	24.7	23.7	53.7	23.9	29.0	28.7	34.1	93.1
1975	23.1	22.5	29.0	61.7	26.2	26.2	42.4	39.2
1977	24.8	24.2	12.3	61.4	24.6	23.2	56.3	48.0
1979	26.6	22.8	37.6	97.5	20.8	19.2	52.2	70.8
1981	20.4	16.3	48.7	56.0	24.3	24.3	25.2	60.0
1983	28.2	23.6	49.0	77.9	28.1	23.6	57.5	93.8
1985	15.6	12.3	27.8	44.4	19.3	15.7	51.0	41.0
1987	22.5	20.9	34.5	21.4	29.9	27.7	54.0	S
1989	25.6	24.7	24.3	41.9	33.2	31.6	51.4	83.9
1991	21.7	19.5	38.8	31.7	36.6	33.8	44.2	100.0
1993	11.2	7.2	25.4	88.2	14.9	14.4	21.9	100.0
1995	15.9	10.7	28.8	80.8	17.8	16.0	41.8	49.8
1997	14.1	10.9	26.8	33.7	17.4	15.6	26.3	57.7
1999	21.1	15.2	26.1	77.1	22.8	21.7	31.3	48.1
2001	20.5	21.2	24.0	41.8	21.2	20.3	28.0	63.3
2003	18.5	14.7	36.9	38.5	22.5	22.1	32.0	55.9
2006	19.4	15.9	37.1	22.4	21.5	21.9	26.8	4.5
2008	16.9	13.3	22.4	43.4	19.9	19.7	20.2	27.3
Engineering								
1973	50.8	45.2	74.2	87.1	50.7	49.9	78.6	S
1975	53.7	48.9	65.8	83.8	54.4	53.1	82.3	S
1977	55.2	47.2	84.8	72.9	52.9	52.3	64.8	64.9
1979	55.5	48.5	71.9	99.4	55.1	58.8	33.8	16.9
1981	54.4	43.2	100.0	100.0	65.6	61.9	83.9	S
1983	47.1	36.7	58.2	98.3	64.3	62.2	99.0	S
1985	43.9	37.8	66.1	94.5	47.6	46.3	66.4	S
1987	53.3	43.7	79.2	75.7	65.5	64.2	97.6	100.0
1989	56.0	48.9	71.9	73.3	70.8	68.6	91.8	100.0
1991	66.6	62.1	67.7	89.9	73.2	73.0	79.7	S
1993	43.4	32.1	65.1	68.7	51.2	49.4	65.9	70.3
1995	51.1	38.5	50.3	72.6	62.1	60.3	72.5	86.5
1997	50.0	35.5	66.4	66.3	51.3	48.4	62.5	60.5
1999	58.5	40.0	70.9	78.1	55.5	56.4	44.8	94.2
2001	54.9	49.1	77.0	57.1	58.3	59.2	54.9	74.2
2003	56.4	48.2	60.6	71.2	63.2	60.2	72.8	100.0
2006	61.2	45.5	47.4	73.4	63.7	61.3	64.6	87.8
2008	57.3	38.6	74.0	72.8	61.9	58.2	68.3	71.7

NA = not available; S = data suppressed for reasons of confidentiality and/or reliability

SEH = science, engineering, and health

NOTES: Data for 1985 and 1993–97 not comparable with other years and understate degree of federal support. In 1985 and 1993–97, federal support question asks whether work performed during week of April 15 supported by government; in other years, question pertains to work conducted over course of entire year. Academic employment limited to U.S. doctorate holders employed at 2- or 4-year colleges or universities. Full-time faculty includes full, associate, and assistant professors plus instructors. Other full-time positions include positions such as research associates, adjunct appointments, lecturers, and administrative positions. Total excludes those employed part time because they are students or retired. Physical sciences include earth, atmospheric, and ocean sciences; life sciences include biological, agricultural, environmental, and health sciences.

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, special tabulations (2011) of the Survey of Doctorate Recipients.

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